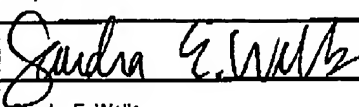


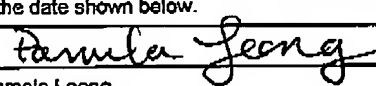
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|----------------------------------------------------------|----------------------|-----------------------------|
| TRANSMITTAL FORM | Application Number | 10/028,482 |
| | Filing Date | December 21, 2001 |
| | First Named Inventor | Warrington et al |
| | Art Unit | 1631 |
| | Examiner Name | Carolyn Smith |
| (to be used for all correspondence after initial filing) | | |
| Total Number of Pages in This Submission | 9 | Attorney Docket Number 3445 |

| ENCLOSURES (check all that apply) | | |
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| <input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input checked="" type="checkbox"/> Appeal Communication to TC (Appeal Notice) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below): |
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| Firm | Affymetrix, Inc. | | |
| Signature |  | | |
| Printed Name | Sandra E. Wells | | |
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Application No.: 10/028,482

PATENT
Attorney Docket No. 3445

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Janet A. Warrington et al.

Examiner: Carolyn L. Smith

Serial No: 10/028,482

Group Art Unit: 1631

Filing Date: December 21, 2001

Title: **High Throughput Resequencing
and Variation Detection Using High
Density Microarrays**

JAN 13 2005

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT/ RESPONSE

Sir:

In reply to the Office Action mailed October 18, 2004, Applicants respectfully request reconsideration of the pending rejections and reexamination of the present application in view of the following amendments and remarks.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 5 of this paper.